

International application No.
PCT/JP03/13433

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A. CLA	SSIFICATION OF SUBJECT MATTER .C1 ⁷ B01D39/16			
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According	to International Patent Classification (IPC) or to both	national classification an	d IDC	
	DS SEARCHED	- national classification and	o irc	<u></u>
Int	documentation scarched (classification system followed Cl ⁷ B01D39/16	ed by classification symbo	ls)	
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Documenta	tion searched other than minimum documentation to uyo Shinan Koho 1926-1996	the extent that such docum	nents are included	in the fields searched
0.00	uyo Shinan Koho	o Toroku Jitsuyo	Shinan Kob	o 1994-2004
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Electronic of WPI	data base consulted during the international search (na	me of data base and, when	re practicable, sea	arch terms used)
WEI				,
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a			<u> </u>
			t passages	Relevant to claim No.
A	JP 5-285323 A (MITSUBISHI P	LASTIC, INC.),		1-4 .
	02 November, 1993 (02.11.93) Claims; page 2, Par. Nos. [0	0101 +		
	No. [0011]; page 3, Par. No.	foots	, Par.	
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A	US 5804074 A (MITSUBISHI PLA	ASTIC, INC.),		1-4
1	U8 September, 1998 (08.09.98),		
1	Full text & JP 8-309125 A & EF			•
	4 OF 8-309125 A & EF	743085 A2		
A	US 5508095 A (SCAPA GROUP PI	C)	1	
ĺ	16 April, 1996 (16.04.96),	20177		1-4
	Full text			·
	& JP 7-265624 A & JP	7-279083 A	1	•
	& EP 653235 A1		1	
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X Further	r documents are listed in the continuation of Box C.	See patent family	annex.	
* Special	categories of cited documents:			
"A" documer	it defining the general state of the art which is not	priority date and not	In conflict with the	application but cited to
"E" carlier de	ed to he of particular relevance ocument but published on or after the international filing	understand the Dirici	DIE OF THEORY under	ving the invention
date	-	considered novel or c	ar relevance; the cla annot be considered	imed invention cannot be I to involve an inventive
cited to e	at which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other	such when the docum	CNI is laken alone	
special re	eason (as specified)	considered to involve	an inventive sten u	imed invention cannot be
means	t referring to an oral disclosure, use, exhibition or other	combined with one of	more other such de	Cuments such
"P" documen	t published prior to the international filing date but later	"&" combination being ob document member of	vious to a person sl the same patent for	ulled in the art
	priority date claimed			
09 Ja	nuary, 2004 (09.01.04)	Date of mailing of the int	ernational search	report
	(05.01.03)	27 January,	2004 (27	.01.04)
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	1	retephone No.		



Internation No.
PCT/JP03/13433

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A	US 5547481 A (HERDING GMBH. ENTSTAUBUNGSANLAGEN), 20 August, 1996 (20.08.96), Full text & JP 8-503408 A & EP 634952 A & WO 93/19832 A1	Relevant to claim No
P,A	JP 2003-126627 A (Nittetsu Mining Co., Ltd.), 07 May, 2003 (07.05.03), Claims; page 3, Par. No. [0007] to page 6, Par. No. [0026] & WO 03/037480 A1	3
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